

CONFIDENTIAL

WPIC/P&DS/D/6-1386
20 May 1966

MEMORANDUM FOR THE RECORD

SUBJECT: Maintenance History of Chip Comparator Model 405-B
Serial No. 2 installed in TID

25X1A

1. Subject instrument was installed by [redacted] in November 1965. Due to lack of suitable teletype equipment it could not be utilized until May 1966. During this six month period, room temperature was maintained within operational (+ 1°) limits.

2. On 9 May 1966, prior to setting up and checking out on-line operation, EPS observed that both axes were not counting correctly. On 10 May, EPS adjusted X and Y interferometer signal levels and [redacted] circuits to specifications, and accurate counting was obtained.

25X1

3. On 11 May, a spot check by EPS found that the Y axis was not counting at all, but the X axis was correct. EPS made the necessary adjustments to the Y-axis interferometer and [redacted] circuits. On 12 May, an identical situation was found and corrected in a like manner.

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4. On 13 May, at 0900, both counters were checked and found to be operating satisfactorily. This was the first time correct operation was obtained over a 24-hour period.

5. No checks were made during the week-end of 14-15 May, but on 16 May, both axes were found to be counting incorrectly. Based on similar problems with Chip Comparator Model 405-B, Serial No. 1, for which no solution has yet been found, EPS decided that further adjustment would be futile.

6. During the period of these checks and adjustments the equipment was left on 24-hours per day and room temperature was maintained within specified limits.

[redacted]
Equipment Performance Section, DB/P&DS

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DECLASS REVIEW by NIMA/DOD

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GROUP 1
Excluded from automatic
downgrading